International application No.

PCT/NZ2004/000176

				7000170
A.	CLASSIFICATION OF SUBJECT MATT	BR .		
Int. Cl. 7:	A23C 19/05, A23J 1/20			
According to	International Patent Classification (IPC) or	o both national classification and	I IPC	
	FIELDS SEARCHED			
Minimum docu	mentation searched (classification system follow	ed by classification symbols)		
Documentation	searched other than minimum documentation to	the extent that such documents are i	ncluded in the fields searc	hed
WPIDS, CH.	base consulted during the international search (r EMABS, FSTA: milk, dairy, cheese, pr , precipitate, concentrate, composition	ame of data base and, where practic ttein, curds, solubilise, solubi	able, search terms used) lize, dissolve, coagul	ate, rennin,
	DOCUMENTS CONSIDERED TO BE RELEV	ANT		
Category*	Citation of document, with indication, wh	ere appropriate, of the relevant pa	assages ·	Relevant to claim No.
A	WO 2001/011977 A1 (Societe Des Pr whole of document	oduits Nestle) 22 February 20	01	1-32
A	WO 2000/019840 A1 (Bioflash) 13 A whole of document	pril 2000		1-32
A	US 4 407 747 A (Lippe et al) 4 Octob whole of document	er 1983		1-32
	urther documents are listed in the contin	uation of Box C X	See patent family anno	ex
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "T" later document published after the international filing date or priority date a conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is				
or which	t which may throw doubts on priority claim(s) is cited to establish the publication date of itation or other special reason (as specified)	alone " document of particular relevance; involve an inventive step when the	document is combined with	one or more other
"O" documen or other r	t referring to an oral disclosure, use, exhibition means	such documents, such combination to document member of the same pat		killed in the art
but later	t published prior to the international filing date than the priority date claimed			
Date of the actual 9 November	al completion of the international search	Date of mailing of the inte	rnational search report	7 NOV 2004
	ng address of the ISA/AU	Authorized officer		
AUSTRALIAN PO BOX 200, V	PATENT OFFICE VODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au	GARETH COOK Telephone No: (02) 628	3 2541	

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: 33 to 36
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
The claims are to a milk proteinate composition containing both para-kappa-case and whey proteins which does not form gel when concentrated. The claims are not limited to any specific process for producing this, and while the features of these claims are disclosed in the description, there is insufficient disclosure the description of the proteinate composition for any meaningful search to be conducted.
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: See supplemental box.
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

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Supple	nental	Box
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(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No:.

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1 to 32 are to a process for making a protein composition from a dairy stream comprising the steps of forming and separating a protein concentrate and serum, solubilising the protein concentrate, combining the solubilised protein concentrate and serum and concentrating the protein composition formed. It is considered that the process of forming a protein composition from a dairy stream with the specified steps comprises a first "special technical feature".
- 2. Claims 33 to 36 are to a milk proteinate composition containing both para-kappa-casein and whey protein which does not form a gel when concentrated. It is considered that the milk proteinate composition containing para-kappa-casein and whey protein which does not form a gel when concentrated comprises a second special technical feature.

Since the abovementioned groups of claims do not share any of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

Only the first invention was searched. As indicated in Box II, there is insufficient disclosure of the second invention fro any meaningful search to be conducted.

Form PCT/ISA/210 (extra sheet)(January 2004)

Information on patent family members

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member						
wo	2001/011977	AU	56233/99	EP	1 209 980	US	6 706 308	
		BR	9917462	MX	PA02001680	US	2002098273	
		CA	2 391 360	NZ	517 220			
wo	2001/019840	AU	- 55920/99	CA	2 346 377	NZ	511 028	
		CA	2 248 380	EP	1 119 263	US	2003152687	
		CA	2 256 284			•		
US	4 407 747	BE	885 722	NL	8004587			

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX